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L1 and glucocerebrosidase	6

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Search History

DATE: Monday, April 08, 2002 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L3	L1 and glucocerebrosidase	6	L3
L2	L1 with glucocerebrosidase	0	L2
L1	ht-1080	153	L1

END OF SEARCH HISTORY

L3: Entry 1 of 6 File: USPT Jun 19, 2001

DOCUMENT-IDENTIFIER: US 6248319 B1
TITLE: Method for increasing hematopoietic progenitor cells by stem cell factor polypeptides

Detailed Description Paragraph Right (30):
SCF is useful for expanding early hematopoietic progenitors in syngeneic, allogeneic, or autologous bone marrow transplantation. The use of hematopoietic growth factors has been shown to decrease the time for neutrophil recovery after transplantation Donahue, et al., Nature, 321, 872-875 (1986) and Welte et al., J. Exp. Med., 165, 941-948, (1987)]. For bone marrow transplantation, the following three scenarios are used alone or in combination: a donor is treated with SCF alone or in combination with other hematopoietic factors prior to bone marrow aspiration or peripheral blood leucophoresis to increase the number of cells available for transplantation; the bone marrow is treated in vitro to activate or expand the cell number prior to transplantation; finally, the recipient is treated to enhance engraftment of the donor marrow. SCF is useful for enhancing the efficiency of gene therapy based on transfecting (or infecting with a retroviral vector) hematopoietic stem cells. SCF permits culturing and multiplication of the early hematopoietic progenitor cells which are to be transfected. The culture can be done with SCF alone or in combination with IL-6, IL-3, or both. Once tranfected, these cells are then infused in a bone marrow transplant into patients suffering from genetic disorders. [Lim, Proc. Natl. Acad. Sci, 86, 8892-8896 (1989)]. Examples of genes which are useful in treating genetic disorders include adenosine deaminase, glucocerebrosidase, hemoglobin, and cystic fibrosis.

Detailed Description Paragraph Right (311):
A. Construction of the HT-1080 cDNA Library

Detailed Description Paragraph Right (312):
Total RNA was isolated from human fibrosarcoma cell line HT-1080 (ATCC CCL 121) by the acid guanidinium thiocyanate-phenol-chloroform extraction method [Chomczynski et al., Anal. Biochem. 162, 156 (1987)], and poly(A) RNA was recovered by using oligo(dT) spin column purchased from Clontech. Double-stranded cDNA was prepared from 2 .mu.g poly(A) RNA with a BRL (Bethesda Research Laboratory) cDNA synthesis kit under the conditions recommended by the supplier. Approximately 100 ng of column fractionated double-stranded cDNA with an average size of 2 kb was ligated to 300 ng SalI/NotI digested vector pSPORT 1 [D'Alessio et al., Focus, 12, 47-50 (1990)] and transformed into DH5.alpha. (BRL, Bethesda, Md.) cells by electroporation [Dower et al., Nucl. Acids Res., 16, 6127-6145 (1988)].

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 NEWS  3  Jan 25   Searching with the P indicator for Preparations
 NEWS  4  Jan 29   FSTA has been reloaded and moves to weekly updates
 NEWS  5  Feb 01   DKILIT now produced by FIZ Karlsruhe and has a new update
                   frequency
 NEWS  6  Feb 19   Access via Tymnet and SprintNet Eliminated Effective 3/31/02
 NEWS  7  Mar 08   Gene Names now available in BIOSIS
 NEWS  8  Mar 22   TOXLIT no longer available
 NEWS  9  Mar 22   TRCTHERMO no longer available
 NEWS 10  Mar 28   US Provisional Priorities searched with P in CA/CAplus
                   and USPATFULL
 NEWS 11  Mar 28   LIPINSKI/CALC added for property searching in REGISTRY
 NEWS 12  Apr 02   PAPERCHEM no longer available on STN.  Use PAPERCHEM2 instead.
 NEWS 13  Apr 08   "Ask CAS" for self-help around the clock

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               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> fil .eliz
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                                                 ENTRY     SESSION
FULL ESTIMATED COST                               0.21        0.21

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=> s ht-1080
L1         3232 HT-1080

=> s l1 (5a) glucocerebrosidase
L2            1 L1 (5A) GLUCOCEREBROSIDASE

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=> d

L2   ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2002 ACS
AN   2002:157596  HCAPLUS
DN   136:199031
TI   High mannose proteins and methods of making high mannose proteins
IN   Kinoshita, Carol A.; Prashsant, Mishra; Borowski, Marianne;
     Francis-Daniel, Peter
PA   Transkaryotic Therapies, Inc., USA
SO   PCT Int. Appl., 74 pp.
     CODEN: PIXXD2
DT   Patent
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LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002015927	A1	20020228	WO 2001-US25882	20010817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-641471 A1 20000818
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ab

This invention

L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS

AB The invention features a method of producing a high mannose glucocerebrosidase (hmGCB) which includes: providing a cell which is capable of expressing glucocerebrosidase (GCB), and allowing prodn. of GCB having a precursor oligosaccharide under conditions which prevent the removal of .gtoreq.1 mannose residue distal to the pentasaccharide core of the precursor oligosaccharide of GCB, to thereby produce an hmGCB prepn. Preferably, the condition which prevents the removal of .gtoreq.1 mannose residue distal to the pentasaccharide core is inhibition of a class 1 processing mannosidase and/or a class 2 processing mannosidase. The invention also features an hmGCB prepn. and methods of using an hmGCB prepn.

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NEWS INTER	General Internet Information
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FULL ESTIMATED COST | 0.21 | 0.21

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=> s ht-1080
L1 3232 HT-1080

=> s l1 (5a) glucocerebrosidase
L2 1 L1 (5A) GLUCOCEREBROSIDASE

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L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
AN 2002:157596 HCAPLUS
DN 136:199031
TI High mannose proteins and methods of making high mannose proteins
IN Kinoshita, Carol A.; Prashsant, Mishra; Borowski, Marianne; Francis-Daniel, Peter
PA Transkaryotic Therapies, Inc., USA
SO PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DT Patent

LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002015927	A1	20020228	WO 2001-US25882	20010817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-641471 A1 20000818
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
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=> d ab

L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
AB The invention features a method of producing a high mannose glucocerebrosidase (hmGCB) which includes: providing a cell which is capable of expressing glucocerebrosidase (GCB), and allowing prodn. of GCB having a precursor oligosaccharide under conditions which prevent the removal of .gtoreq.1 mannose residue distal to the pentasaccharide core of the precursor oligosaccharide of GCB, to thereby produce an hmGCB prepn. Preferably, the condition which prevents the removal of .gtoreq.1 mannose residue distal to the pentasaccharide core is inhibition of a class 1 processing mannosidase and/or a class 2 processing mannosidase. The invention also features an hmGCB prepn. and methods of using an hmGCB prepn.

=> s l1 and glucocerebrosidase
L3 3 L1 AND GLUCOCEREBROSIDASE

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 3 DUP REM L3 (0 DUPLICATES REMOVED)

=> d 1-3

L4 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2002 ACS
AN 2002:157596 HCAPLUS
DN 136:199031
TI High mannose proteins and methods of making high mannose proteins
IN Kinoshita, Carol A.; Prashsant, Mishra; Borowski, Marianne; Francis-Daniel, Peter
PA Transkaryotic Therapies, Inc., USA
SO PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002015927	A1	20020228	WO 2001-US25882	20010817

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PRAI US 2000-641471 A1 20000818

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS REC
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2002 ACS
AN 1997:425951 HCAPLUS
DN 127:91349
TI Protein production and protein delivery
IN Treco, Douglas A.; Heartlein, Michael W.; Selden, Richard F.
PA Transkaryotic Therapies, Inc., USA
SO U.S., 50 pp. Cont.-in-part of U.S. Ser. No. 985,586, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 8

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	CN 1119545	A	19960403	CN 1994-107587	19940602
	US 5733746	A	19980331	US 1995-406030	19950317
	US 6270989	B1	20010807		
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	WO 9531560	A1	19951123	WO 1995-US6045	19950511
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	AU 709058	B2	19990819		
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	US 6214622	B1	20010410	US 1995-446928	19950518
	US 6048524	A	20000411	US 1995-446909	19950522
	US 6048724	A	20000411	US 1995-446911	19950522
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	US 1991-789188	B2	19911105		
	US 1992-911533	B2	19920710		
	US 1992-985586	B2	19921203		
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	US 1994-243391	A	19940513		
	US 1994-334455	A3	19941104		
	WO 1995-US6045	A	19950511		
	US 1995-446909	A1	19950522		

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS
AN 1996:58252 HCAPLUS
DN 124:78726
TI DNA construct for effecting homologous recombination and uses for recombinant protein production
IN Treco, Douglas A.; Heartlein, Michael W.; Selden, Richard F.

PA Transkaryotic Therapies, Inc., USA
SO PCT Int. Appl., 147 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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	AU 709058	B2	19990819		
	EP 759082	A1	19970226	EP 1995-919831	19950511
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	NO 9604802	A	19970109	NO 1996-4802	19961112
PRAI	US 1994-243391	A	19940513		
	US 1991-787840	B2	19911105		
	US 1991-789188	B2	19911105		
	US 1992-911533	B2	19920710		
	US 1992-985586	B2	19921203		
	WO 1995-US6045	A	19950511		

=> d 2,3 ab

L4 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2002 ACS
AB The invention relates to constructs comprising: a) a targeting sequence; b) a regulatory sequence; c) an exon; and d) an unpaired splice-donor site. The invention further relates to a method of producing protein in vitro or in vivo comprising the homologous recombination of a construct as described above within a cell. The homologously recombinant cell is then maintained under conditions which will permit transcription and translation, resulting in protein expression. The present invention further relates to homologously recombinant cells, including primary, secondary, or immortalized vertebrate cells, methods of making the cells, methods of homologous recombination to produce fusion genes, methods of altering gene expression in the cells, and methods of making a protein in a cell employing the constructs of the invention.

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS
AB The invention relates to constructs comprising: a) a targeting sequence; b) a regulatory sequence; c) an exon; and d) an unpaired splice-donor site. The invention further relates to a method of producing protein in vitro or in vivo comprising the homologous recombination of a construct as described above within the cell. The homologously recombinant cell is then maintained under conditions which will permit transcription and transition, resulting in protein expression. The present invention further relates to homologously recombinant cells, including primary, secondary, or immortalized vertebrate cells, methods of making the cells, methods of homologous recombination to produce fusion genes, methods of altering gene expression in the cells, and methods of making a protein in a cell employing the constructs of the invention.

=> d 2, 3 kwic

L4 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2002 ACS
IT Animal cell line

(**HT-1080**; protein prodn. [redacted] protein delivery)
IT 9000-94-6, Antithrombin III 9001-24-5, Blood coagulation factor v 9001-25-6, Blood coagulation factor vii 9001-28-9, Blood coagulation factor ix 9001-29-0, Blood coagulation factor x 9002-64-6, Parathyroid hormone 9002-72-6, Growth hormone 9003-98-9, Dnase 9004-10-8, Insulin, biological studies 9007-12-9, Calcitonin 9007-92-5, Glucagon, biological studies 9013-56-3, Blood coagulation factor xiii 9025-35-8, .alpha.-Galactosidase 9036-22-0, Tyrosine hydroxylase 9039-53-6, Urokinase 9041-92-3, .alpha.1-Antitrypsin 9054-89-1, Superoxide dismutase 9061-61-4, Nerve growth factor 11096-26-7, Erythropoietin 12629-01-5, Human growth hormone 37228-64-1, **Glucocerebrosidase** 61912-98-9, Insulin-like growth factor 83869-56-1, Granulocyte-macrophage colony-stimulating factor 118549-37-4, Insulinotropin 139639-23-9, Tissue plasminogen activator 141436-78-4, Protein kinase C
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(genes encoding; protein prodn. and protein delivery)

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS
IT Animal cell line
(**HT-1080**, DNA construct for effecting homologous recombination and uses for recombinant protein prodn.)
IT 9000-94-6P, Antithrombin III 9001-24-5P, Blood coagulation factor V 9001-25-6P, Blood coagulation factor Vii 9001-28-9P, Blood coagulation factor ix 9001-29-0P, Blood coagulation factor x 9002-64-6P, Parathyroid hormone 9002-72-6P, Somatotropin 9003-98-9P, Dnase 9004-10-8P, Insulin, preparation 9007-12-9P, Calcitonin 9007-92-5P, Glucagon, preparation 9013-56-3P, Blood coagulation factor xiii 9025-35-8P, .alpha.-Galactosidase 9036-22-0P, Tyrosine hydroxylase 9039-53-6P, Urokinase 9041-92-3P, .alpha.1-Antitrypsin 9054-89-1P, Superoxide dismutase 9061-61-4P, Nerve growth factor 11096-26-7P, Erythropoietin 37228-64-1P, **Glucocerebrosidase** 61912-98-9P, Insulin-like growth factor 62683-29-8P, Csf 81627-83-0P, m-Csf 113189-02-9P, Blood coagulation factor Viii 118549-37-4P, Insulinotropin 139639-23-9P, Tissue plasminogen activator 141436-78-4P, Protein kinase c 143011-72-7P, g-CSF
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(DNA construct for effecting homologous recombination and uses for recombinant protein prodn.)

=> s kinoshita, ?/au
L5 48438 KINOSHITA, ?/AU

=> s l5 and glucocerebrosidase
L6 8 L5 AND GLUCOCEREBROSIDASE

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7 2 DUP REM L6 (6 DUPLICATES REMOVED)

=> d 1,2

L7 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS
AN 2002:157596 HCAPLUS
DN 136:199031
TI High mannose proteins and methods of making high mannose proteins
IN **Kinoshita, Carol A.**; Prashsant, Mishra; Borowski, Marianne; Francis-Daniel, Peter
PA Transkaryotic Therapies, Inc., USA
SO PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002015927	A1	20020228	WO 2001-US25882	20010817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, [redacted] DM, DZ, EC, EE, ES, FI, GB, [redacted] GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI US 2000-641471 A1 20000818
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 MEDLINE DUPLICATE 1
AN 96061066 MEDLINE
DN 96061066 PubMed ID: 7576080
TI Position of the sulfhydryl group and the disulfide bonds of human **glucocerebrosidase**.
AU Lee Y; **Kinoshita H**; Radke G; Weiler S; Barranger J A; Tomich J M
CS Department of Pediatrics, University of Southern California Medical School, Childrens Hospital of Los Angeles, California 90027, USA.
SO JOURNAL OF PROTEIN CHEMISTRY, (1995 Apr) 14 (3) 127-37.
Journal code: AEJ; 8217321. ISSN: 0277-8033.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199511
ED Entered STN: 19960124
Last Updated on STN: 19960124
Entered Medline: 19951128

=> dis his

(FILE 'HOME' ENTERED AT 17:50:55 ON 08 APR 2002)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 17:51:03 ON 08 APR 2002
L1 3232 S HT-1080
L2 1 S L1 (5A) GLUCOCEREBROSIDASE
L3 3 S L1 AND GLUCOCEREBROSIDASE
L4 3 DUP REM L3 (0 DUPLICATES REMOVED)
L5 48438 S KINOSHITA, ?/AU
L6 8 S L5 AND GLUCOCEREBROSIDASE
L7 2 DUP REM L6 (6 DUPLICATES REMOVED)

=> log h

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